

FIG. 1

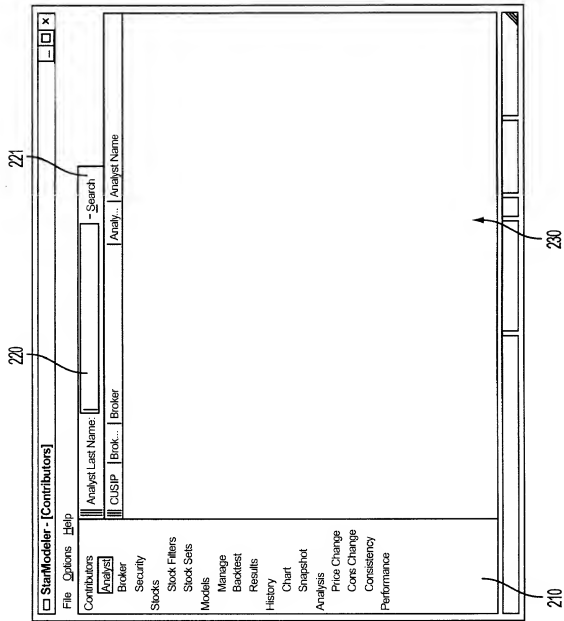


FIG. 2

220

Contributor Search

Analyst Name:

Search

Analyst Name	Analyst ID
Dube B	18094
Dube S	7919
Dubeau C	18847

Cancel

Ok

FIG. 3

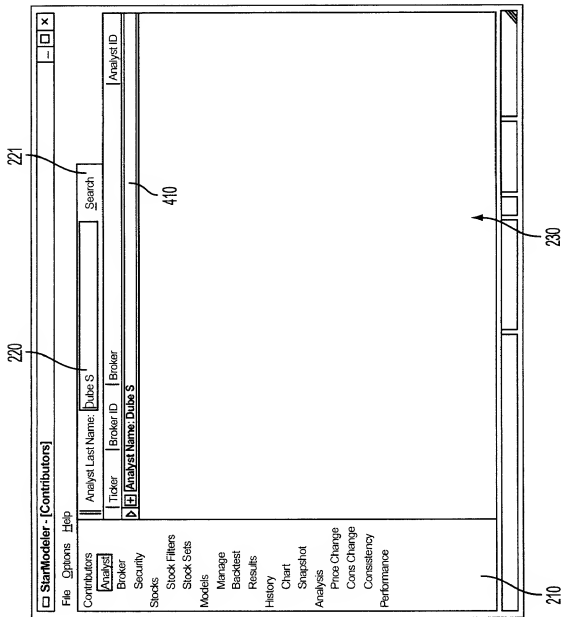


FIG. 4

510
520
530
540

StarModeler - (Contributors)
File Options Help

Contributors

Analyst

Broker

Security

Stocks

Stock Filters

Stock Sets

Models

Manage

Backtest

Results

History

Chart

Snapshot

Analysis

Price Change

Cons Change

Consistency

Performance

Analyst last Name
Dube S
Search

Token	Broker ID	Broker	Analyst ID
BGH	251	Lehman Brothers	7919
DEC	251	Lehman Brothers	7919
DGN	251	Lehman Brothers	7919
HON	251	Lehman Brothers	7919
HWP	251	Lehman Brothers	7919
IBM	251	Lehman Brothers	7919
MMM	251	Lehman Brothers	7919
NCR	251	Lehman Brothers	7919
PRM	251	Lehman Brothers	7919
SY	251	Lehman Brothers	7919
TNDM	251	Lehman Brothers	7919
WNN	251	Lehman Brothers	7919
BGH	308	Lehman Brothers Japan	7919
DEC	308	Lehman Brothers Japan	7919
DGN	308	Lehman Brothers Japan	7919
HON	308	Lehman Brothers Japan	7919
IBM	308	Lehman Brothers Japan	7919
MMM	308	Lehman Brothers Japan	7919
NCR	308	Lehman Brothers Japan	7919
PRM	308	Lehman Brothers Japan	7919
SY	308	Lehman Brothers Japan	7919
TNDM	308	Lehman Brothers Japan	7919
WNN	308	Lehman Brothers Japan	7919

305

210

FIG. 5

610
620
630
640

StarModeler - [Contributors]
File Options Help

Contributors

Analyst

Broker

Security

Stocks

Stock Filters

Stock Sets

Models

Manage

Backtest

Results

History

Chart

Snapshot

Analysis

Price Change

Cons Change

Consistency

Performance

Broker Name	Analyst ID	Analyst Name
Wassenstein Perella & Co., Inc.		
[X] [Broker Wassenstein Perella & Co., Inc.]		
Ticker	Broker ID	Analyst Name
AAPL	1496	7919 Duke S
ABT	1496	7283 Dunne R
ACCX	1496	0 Unknown
ACCX	1496	45411 Loeb J
ACXT	1496	45411 Loeb J
ADPL	1496	46389 Child J
AIG	1496	233 Picout M
ALLM	1496	233 Picout M
AMB	1496	44882 Maguire W
AMER	1496	52141 Klein W
AMN	1496	45411 Loeb J
APA	1496	973 Ferretti P
APC	1496	973 Ferretti P
ARGY	1496	9267 Schmitt W
ARRO	1496	7283 Dunne R
ART	1496	1374 Alcino E
BA	1496	52828 San Pietro J
BAX	1496	7283 Dunne R
BBD	1496	52828 San Pietro J
BCR	1496	7283 Dunne R

610
620
630
640

Contributors

Analyst

Broker

Security

Stocks

Stock Filters

Stock Sets

Models

Manage

Backtest

Results

History

Chart

Snapshot

Analysis

Price Change

Cons Change

Consistency

Performance

Broker Name	Analyst ID	Analyst Name
Wassenstein Perella & Co., Inc.		
[X] [Broker Wassenstein Perella & Co., Inc.]		
Ticker	Broker ID	Analyst Name
AAPL	1496	7919 Duke S
ABT	1496	7283 Dunne R
ACCX	1496	0 Unknown
ACCX	1496	45411 Loeb J
ACXT	1496	45411 Loeb J
ADPL	1496	46389 Child J
AIG	1496	233 Picout M
ALLM	1496	233 Picout M
AMB	1496	44882 Maguire W
AMER	1496	52141 Klein W
AMN	1496	45411 Loeb J
APA	1496	973 Ferretti P
APC	1496	973 Ferretti P
ARGY	1496	9267 Schmitt W
ARRO	1496	7283 Dunne R
ART	1496	1374 Alcino E
BA	1496	52828 San Pietro J
BAX	1496	7283 Dunne R
BBD	1496	52828 San Pietro J
BCR	1496	7283 Dunne R

FIG. 6

210

710
720
730
740
750

☒ StartModeler - Contributors  
 File Options Help

☐ CUSIP  
☒ Ticker AAPL Apple Computer

☐ Company Name  
☐ Unique Ticker  
☒ Ticker AAPL  
☐ Analyst

☐ Broker  
☐ Analyst Name

Contributors	Analyst	Broker	Company Name	Unique Ticker	Ticker AAPL	Analyst Name
Stocks	03783310	7	Deutsche Banc Alex. Brown - Us	0	Unknown	
Stock Filters	03783310	7	Deutsche Banc Alex. Brown - Us	658	Bradley O	
Stock Sets	03783310	7	Deutsche Banc Alex. Brown - Us	1032	Stahlman M	
Models	03783310	7	Deutsche Banc Alex. Brown - Us	1040	Jt. Rossi	
Manage	03783310	7	Deutsche Banc Alex. Brown - Us	1283	Reid C	
Backtest	03783310	7	Deutsche Banc Alex. Brown - Us	6867	Rueppel P	
Results	03783310	7	Deutsche Banc Alex. Brown - Us	7932	Estenozo S	
History	03783310	11	Argus Research Corp.	938	Abramowitz W	
Chart	03783310	11	Argus Research Corp.	18158	Electrical/Electro	
Snapshot	03783310	11	Argus Research Corp.	32713	Office Equip.	
Analysis	03783310	13	Unknown	30132	Post-Technology A	
Price Change	03783310	15	Alliantis Investment Co.	103	Anderson A	
Core Change	03783310	16	Prudential Securities	3106	Brown K	
Consistency	03783310	16	Prudential Securities	5963	Wolk M	
Performance	03783310	16	Prudential Securities	33032	Malin R	
	03783310	16	Prudential Securities	40709	Alexy K	
	03783310	16	Prudential Securities	677	Young D	
	03783310	25	Bateman	166	Harris L	
	03783310	25	Bateman	4047	Kajka J	
	03783310	28	Bear, Stearns & Co.	856	Momanus J	

710
720
730
740
750

FIG. 7

810
820
830
840
850
860
870

1101
1102

☐ StarModeler - (Stock Filters and Lists)  
 File Options Help

New ...
Copy
Import...
Rename List
Delete List
Delete Ticker
Add Ticker

Contributors	List Name	Unit...	Current Ticker	Name
Analyst	StarMine   Top 100	02364111	AMER	AOL
Broker	StarMine   Top 500 Activity Stocks (1999)	05947041	BCM	Bco Central Hsp
Security		20663811	CPWR	Compware Corp
Stocks		17276R1	CSGO	Cisco Sys Inc
		24702511	DELL	Dell Computer Cp
		34537011	F	Ford Motor Co
		36268811	GDYS	Goody's Family Cl
		37044211	GM	Gen Motors Cp
		44929511	ICOS	loco Corp
		45337C1	IPI	Incyte Pharmaceu
		45814011	INTC	Intel Cp
		46430011	ISP	Isis Pharmaceuti
		59501811	MCDE	Microdie Pharm
		56362611	MEDD	Med-Design Corp
		71815411	MO	Philip Morris
		59481811	MSFT	Microsoft Cp
		71271311	PSFT	Peoplesoft Inc
		30229011	XON	Exxon
		98433211	YHOO	Yahoo! Inc.

210
1010

FIG. 8



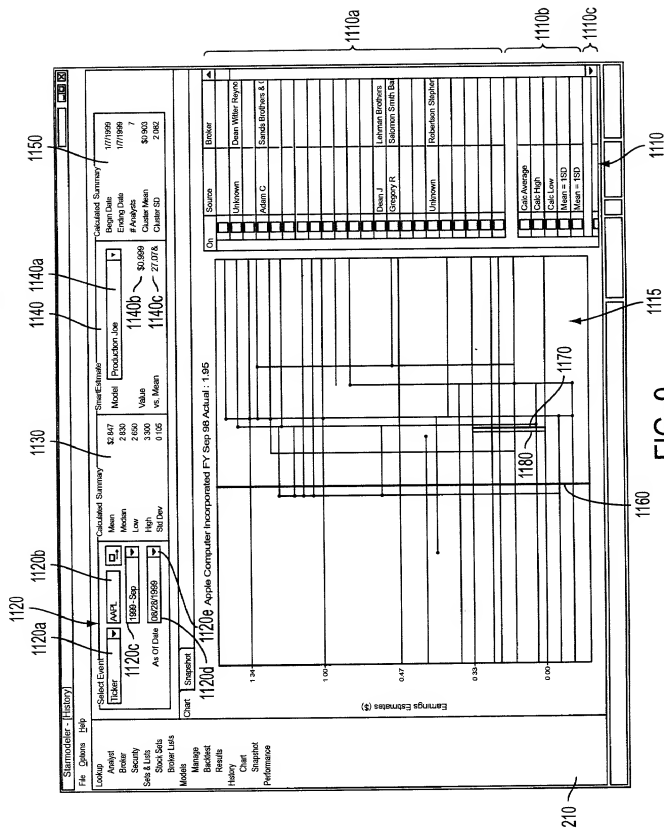


FIG. 9

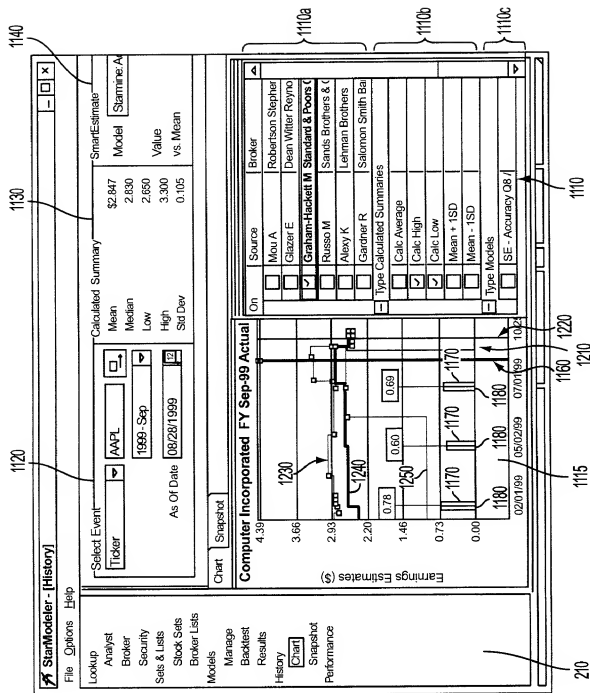


FIG. 10

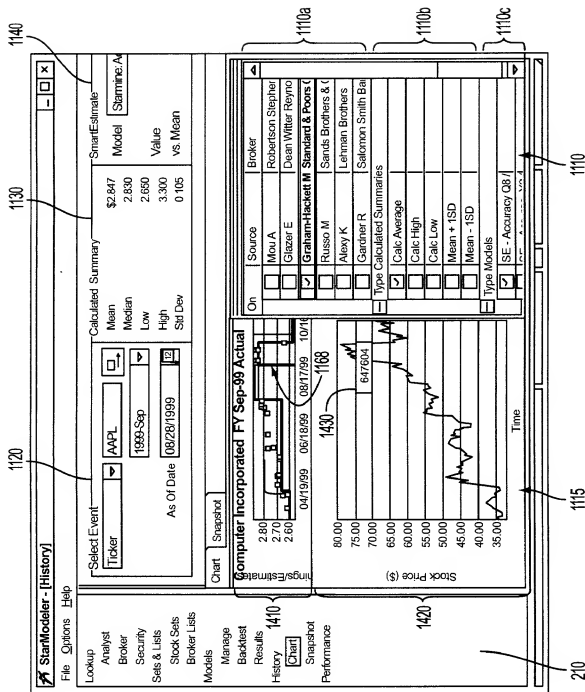


FIG. 11

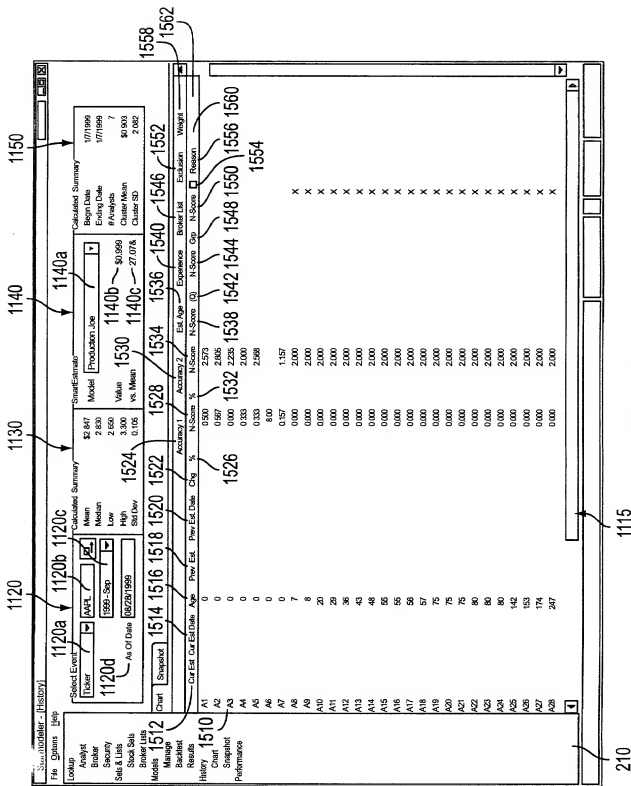
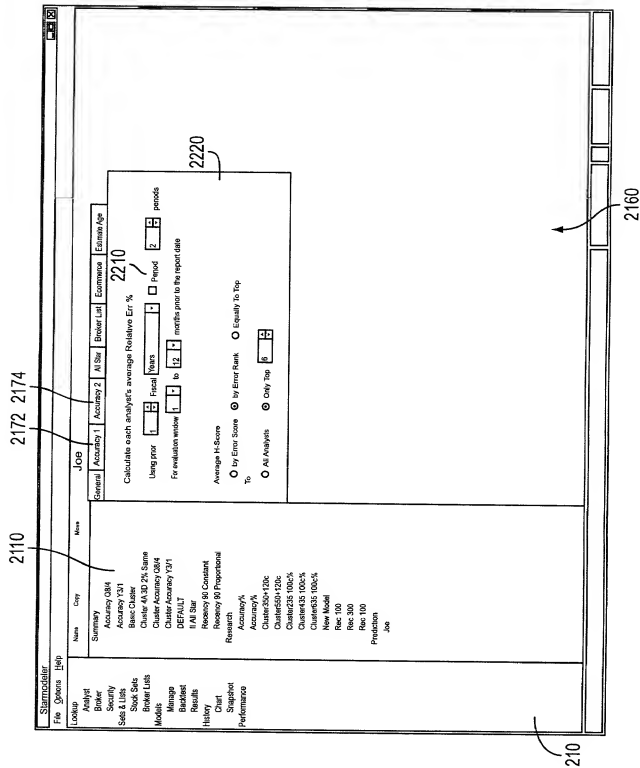


FIG. 12







2510
2520
2530

StarModeler - Broker
File Options Help

Lookup
Analyst
Broker
Security
Sales & Use
Broker List
Broker List
Models
Manage
Business
Results
History
Chart
Export
Performance

Broker List
Job

Name
Score
Refuse
Copy
Delete

Group #3 H-Score

Find Broker

Broker Name	Analyst
Robert Lynch	688
John Doe	122
John Doe	294
John Doe	221
John Doe	306
John Doe	306
John Doe	205
John Doe	201
John Doe	270

Group #2 H-Score

Find Broker

Broker Name	Analyst
NOVA RESEARCH	1
NOVA RESEARCH	1
NOVA RESEARCH	5
NOVA RESEARCH	1
NOVA RESEARCH	105
NOVA RESEARCH	25
NOVA RESEARCH	22
NOVA RESEARCH	30
NOVA RESEARCH	25
NOVA RESEARCH	100

Group #1 H-Score

Find Broker

Broker Name	Analyst
NOVA RESEARCH	145
NOVA RESEARCH	30
NOVA RESEARCH	12
NOVA RESEARCH	275
NOVA RESEARCH	1
NOVA RESEARCH	5

210
2160

FIG. 16





2132 2710

2110

StarModeler - Broker									
File		Options		Help					
Name	Copy	JOB							
Summary	Accuracy QM4	Accuracy Y31	Accuracy Y31	Accuracy 1	Accuracy 2	AltStar	Broker List	Economics	EstimateAge
Basic Cluster	Cluster 4A 3D 2% Same	Cluster Accuracy QM4	Cluster Accuracy Y31	<input type="radio"/> Constant <input checked="" type="radio"/> Proportional		Count <input type="text" value="100"/> days			
DEFAULT	Accuracy	Accuracy	Accuracy						
Research	Research	Research	Research						
Accuracy%	Accuracy%	Accuracy%	Accuracy%						
Cluster350+120c	Cluster350+120c	Cluster350+120c	Cluster350+120c						
Cluster350+120c	Cluster350+120c	Cluster350+120c	Cluster350+120c						
Cluster350+120c	Cluster350+120c	Cluster350+120c	Cluster350+120c						
Cluster350+120c	Cluster350+120c	Cluster350+120c	Cluster350+120c						
Cluster350+120c	Cluster350+120c	Cluster350+120c	Cluster350+120c						
?	?	?	?						
?	?	?	?						
?	?	?	?						
?	?	?	?						
New Model	New Model	New Model	New Model						
Rec 100	Rec 100	Rec 100	Rec 100						
Rec 100	Rec 100	Rec 100	Rec 100						
Prediction	Prediction	Prediction	Prediction						
Job	Job	Job	Job						

2160

2110

FIG. 18

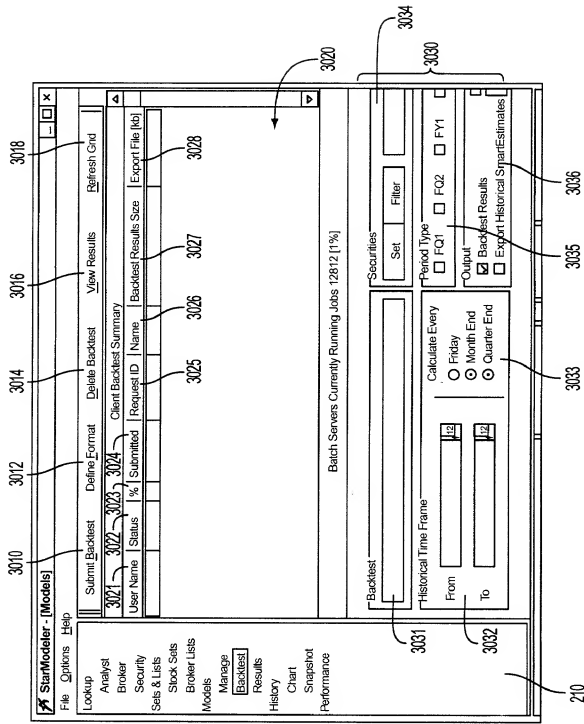


FIG. 19

3110

3130

Back Tester

Models

Options

Selected	Model
<input checked="" type="checkbox"/>	Category: Stormline
<input type="checkbox"/>	Accuracy Q84
<input type="checkbox"/>	Accuracy Y31
<input type="checkbox"/>	AccurateAnalysts.01
<input type="checkbox"/>	Basic Cluster
<input type="checkbox"/>	Cluster 4A 3D 2% Same
<input type="checkbox"/>	Cluster Accuracy Q84
<input type="checkbox"/>	Cluster Accuracy Y31
<input type="checkbox"/>	Clusters.01
<input type="checkbox"/>	DEFAULT
<input type="checkbox"/>	ExperiencedAnalysts.01
<input type="checkbox"/>	II All Star
<input type="checkbox"/>	Recency 90 Constant
<input type="checkbox"/>	Recency 90 Proportional
<input type="checkbox"/>	StarEstimate.01
<input type="checkbox"/>	TopBrokers.01

☒ Submit
 ☐ Close
 ☐ Help

3120

3140

FIG. 20

3130

Back Tester Options

Models Options

3210 Backtest

3220 Securities

Set Filter

No Group Selected

3230 Historical Time Frame

From 1/1/85

To 12/31/99

3240 Calculate Every

☐ Friday

☐ Month End

☒ Quarter End

3250 Period Type

☐ FQ1 ☐ FQ2 ☐ FY1 ☐ FY2 ☐ FQ5 ☐ FY5

3260 Output

☒ Backtest Results

☐ Export Historical Smart Estimates

Format Define/Select

☒ Submit

☒ Close

☒ Help

FIG. 21

3211

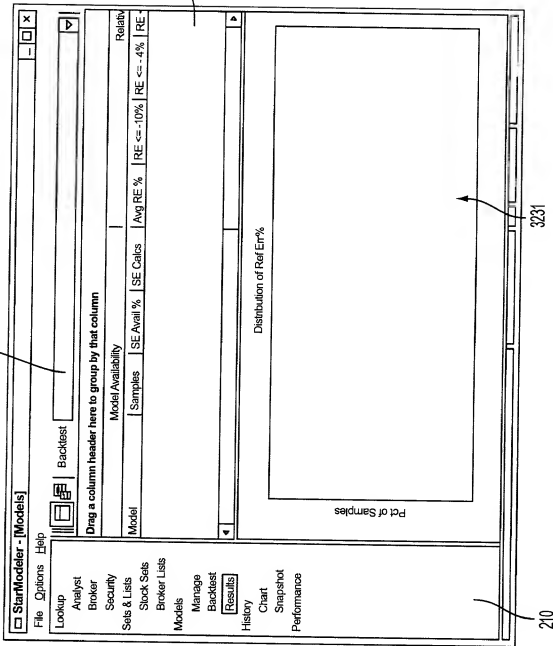


FIG. 22



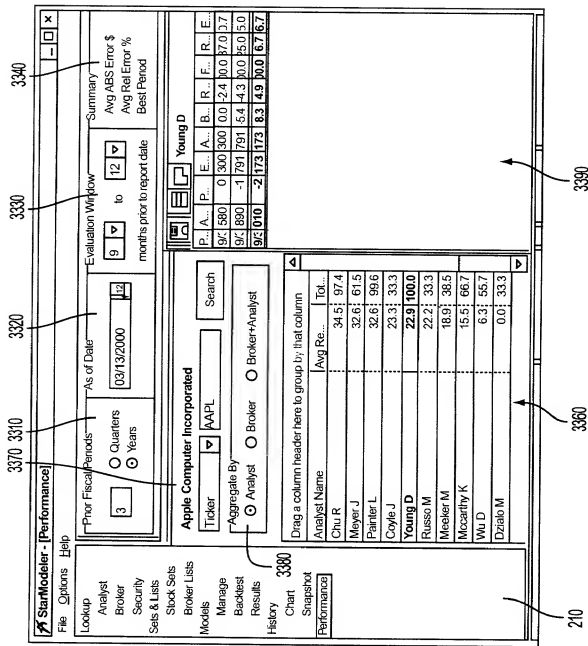


FIG. 24



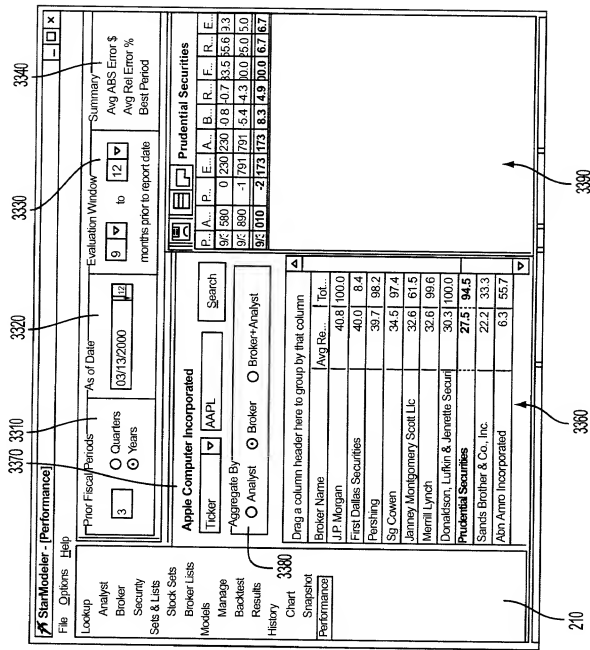


FIG. 25

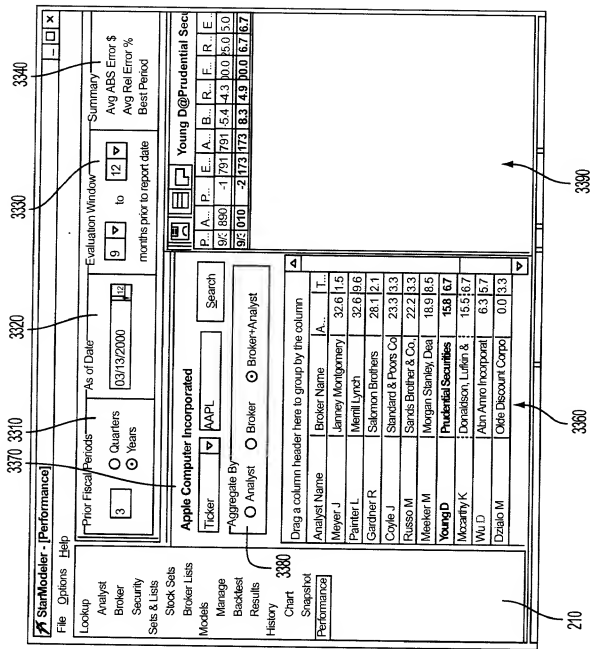


FIG. 26

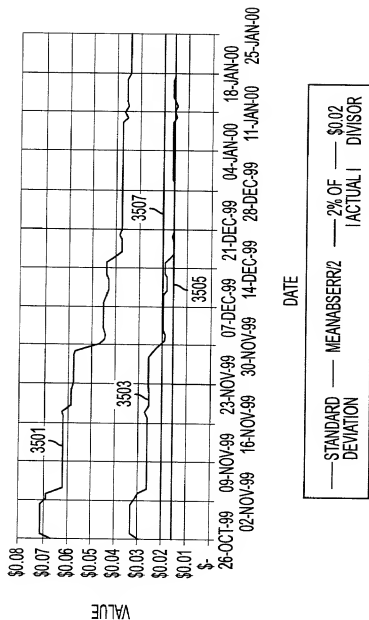


FIG. 27

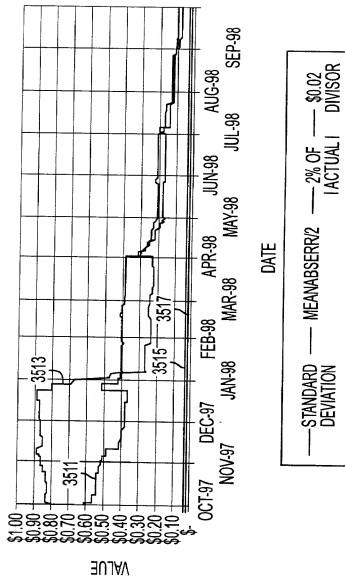


FIG. 28

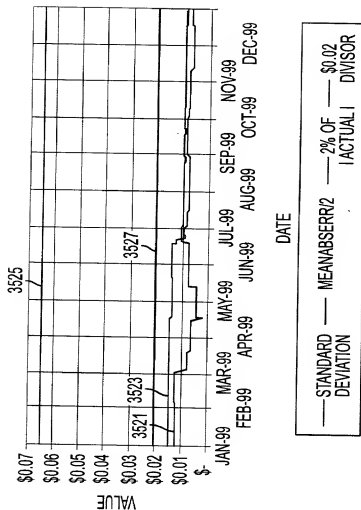


FIG. 29

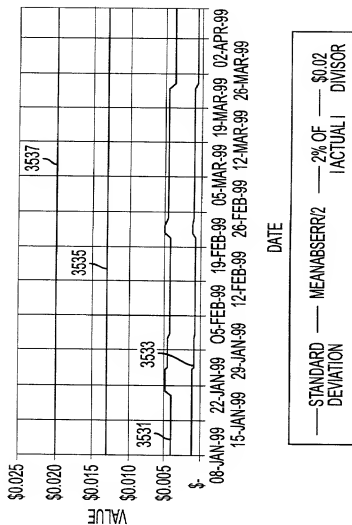


FIG. 30

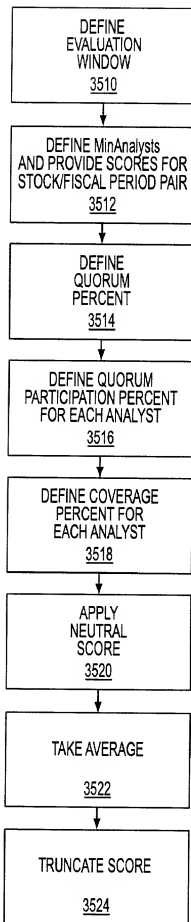


FIG. 31

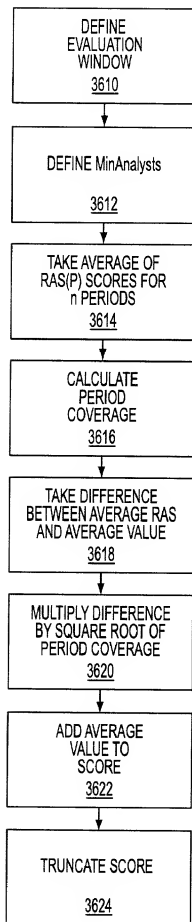


FIG. 32



```

graph TD
    3710[DEFINE EVALUATION WINDOW  
3710] --> 3712[DEFINE MinAnalysts  
3712]
    3712 --> 3714[TAKE AVERAGE OF SINGLE PERIOD RAS SCORES OVER ALL ANALYST/STOCK/PERIOD TRIPLES = "A"  
3714]
    3714 --> 3716[COUNT NUMBER OF ANALYST/STOCK/PERIOD TRIPLES IN GROUP = "C"  
3716]
    3716 --> 3718[MEASURE AMOUNT BY WHICH "A" DIFFERS FROM 1/2  
3718]
    3718 --> 3720[MULTIPLY BY SQUARE ROOT OF "C"  
3720]
    3720 --> 3722[ADD AVERAGE VALUE TO SCORE  
3722]
    3722 --> 3724[TRUNCATE SCORE  
3724]
  
```

3724

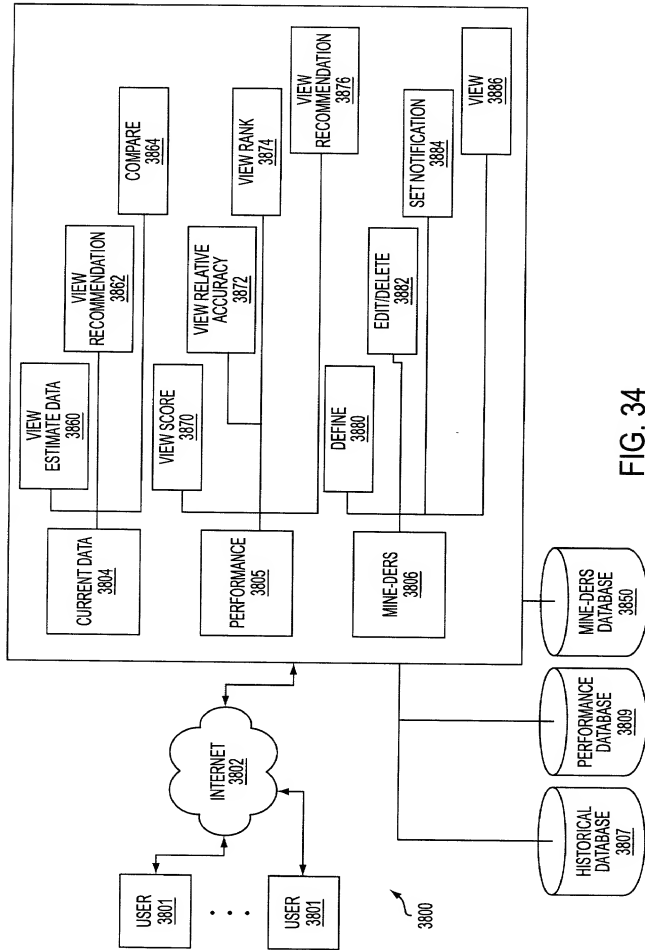


FIG. 34

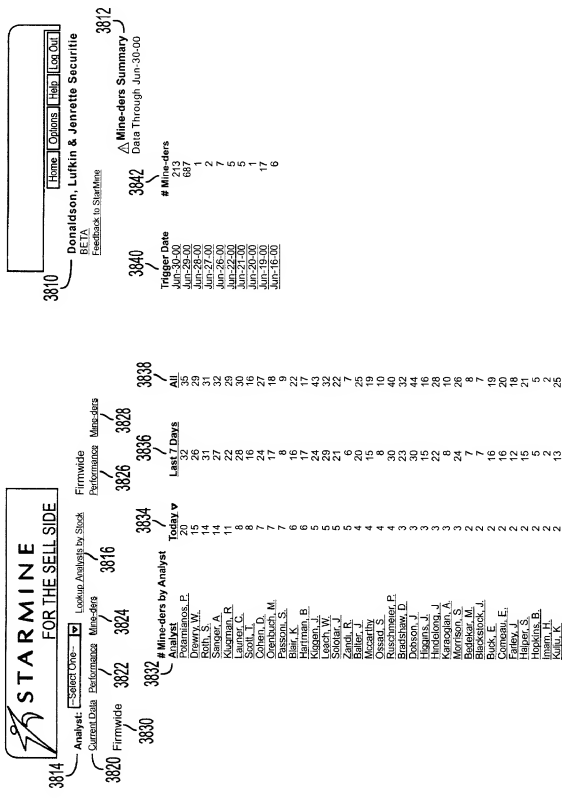
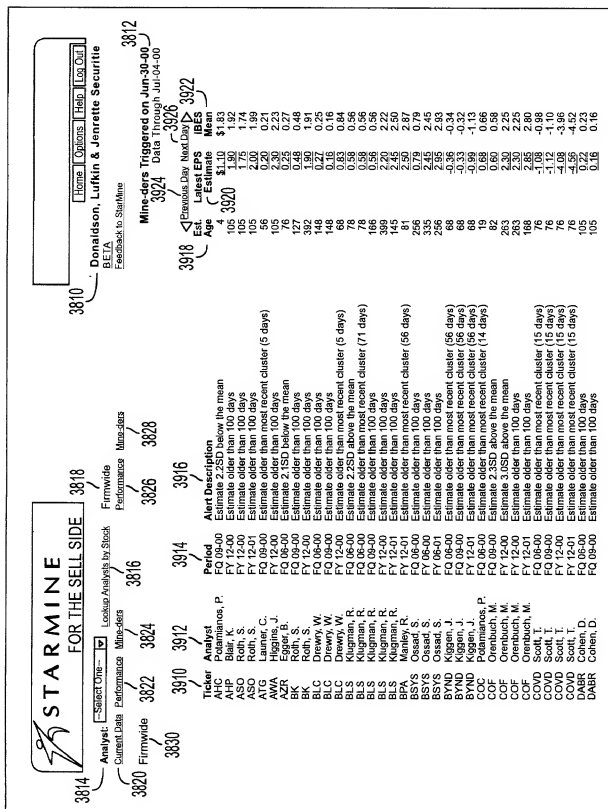
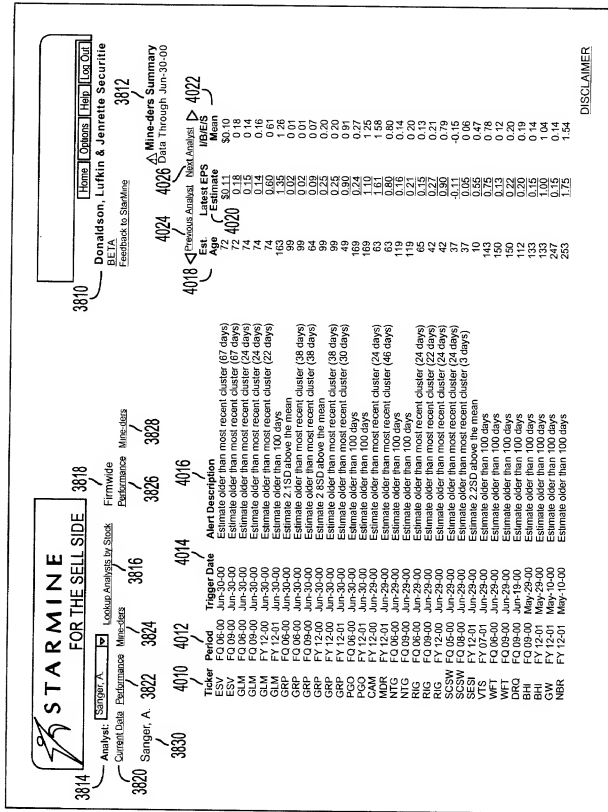


FIG. 35





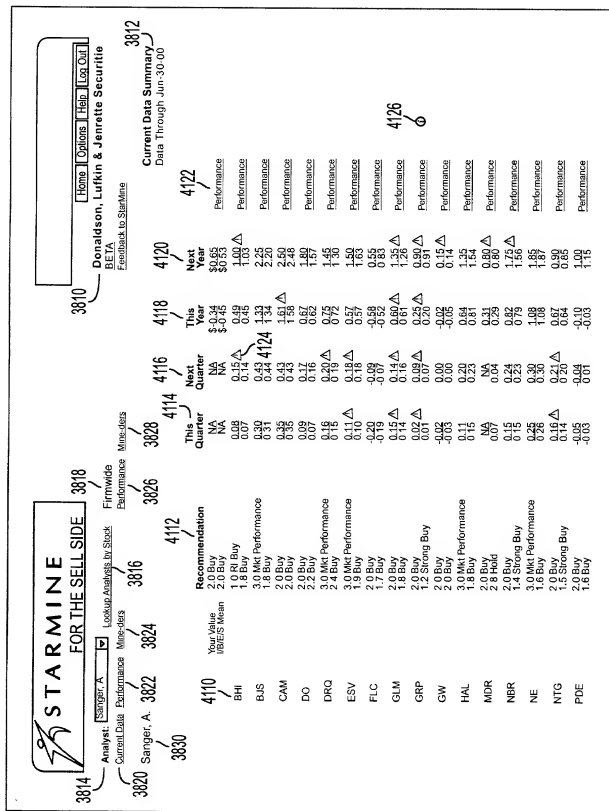


FIG. 38

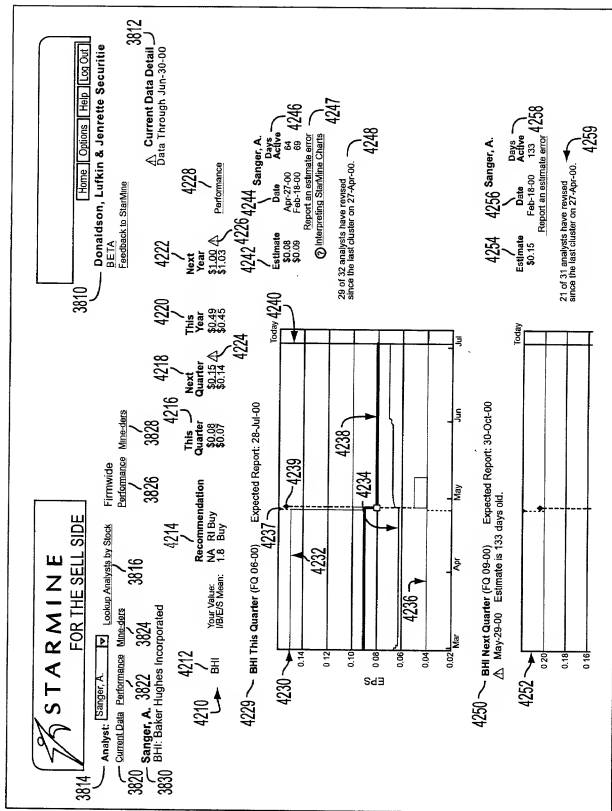
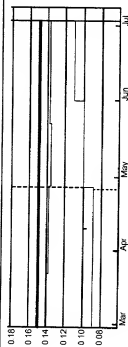
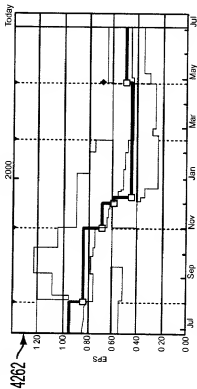


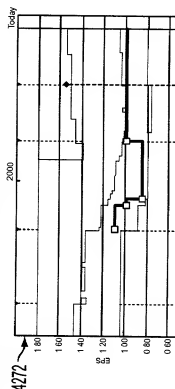
FIG. 39A



4260 ~ BH1 This Year (FY 12-00) Expected Report: 17-Feb-01



4270 ~ BH1 Next Year (FY 12-01) Expected Report: 17-Feb-02  
May-29-01 Estimate is 133 days old



4264

Estimate	Date	Days Active
\$0.45	Apr-7-00	64
\$0.45	Dec-02-99	133
\$0.60	Nov-02-99	8
\$0.70	Nov-02-99	30
\$0.75	Nov-02-99	91
\$0.85	Mar-04-99	91
\$0.85	Mar-18-99	47
\$1.05	Feb-02-99	44
\$1.05	Dec-02-99	42
\$1.60	Nov-10-98	36

Report an estimate error  
⊗ Integrating Starline Chart

27 of 33 analysts have revised  
since the last cluster on 27-Apr-00

4274

Estimate	Date	Days Active
\$1.00	Feb-18-00	133
\$0.85	Dec-10-99	70
\$1.00	Dec-02-99	8
\$1.10	Nov-02-99	30

Report an estimate error  
18 of 33 analysts have revised  
since the last cluster on 27-Apr-00

FIG. 39B









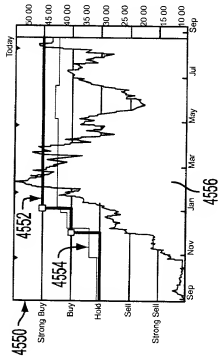


3814

Analyst: **Austrian, R**    **3816**    **3820**    **3822**    **3824**    **3826**    **3828**  
 Current Data    Performance    Miss-Alerts    Firmwide    Performance    Miss-Alerts  
 AZPN: Aspen Technologies Inc

**3810**    **Banc Of America Securities Inc.**  
**BETA**  
 Feedback to StarMine

**3812**  
**Recommendation History**  
 Data Through Aug-23-00



**4560**    **4562**    **4564**  
 Recommendation    Date    Days Active  
 Strong Buy (10)    Jan-03-00    233  
 Buy (10)    Jan-03-00    233  
 Hold (10)    Jan-03-00    233  
 Hold (10)    Jan-20-98    401  
 Repeat a recommendation error

Interpreting StarMine Charts

Home | Options | Help | Log Out

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FIG. 43



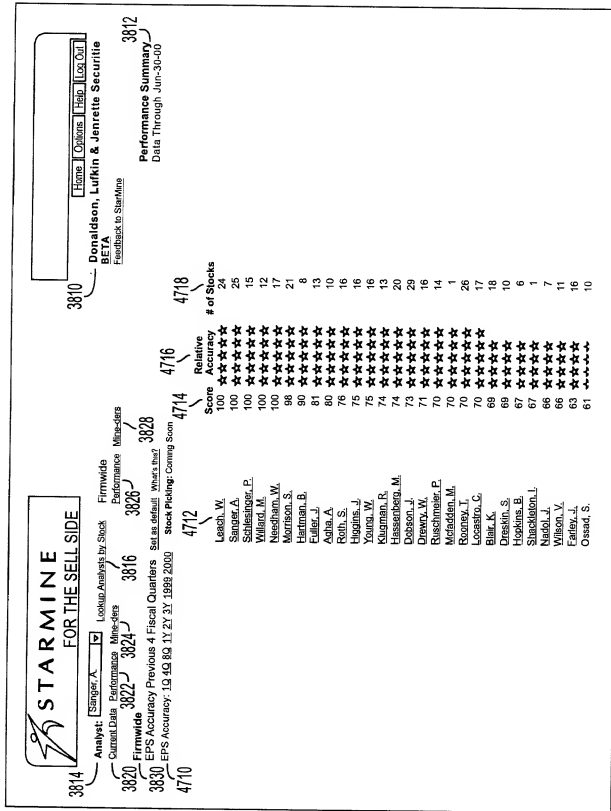



FIG. 45A

Ossad, S.	61	☆☆☆	10
Looby, R.	61	☆☆☆	12
Nichols, M.	60	☆☆☆	12
Salam, M.	59	☆☆☆	18
Egger, B.	58	☆☆☆	11
Knapen, J.	58	☆☆☆	37
Bednars, M.	57	☆☆☆	11
Brutani	56	☆☆☆	1
Buck, E.	55	☆☆☆	15
Hindelang, J.	54	☆☆☆	26
Galvin, T.	54	☆☆☆	2
Marmuro, D.	53	☆☆☆	5
Bourn, H.	53	☆☆☆	13
Nijmeh, G.	53	☆☆☆	23
Scott, T.	52	☆☆☆	8
Pasaroni, S.	52	☆☆☆	10
Ross, E.	50	☆☆☆	3
Muriche, M.	49	☆☆☆	3
Inam, H.	49	☆☆☆	2
Schaeffer, P.	46	☆☆☆	10
Karapoglian, A.	44	☆☆☆	10
Halper, S.	44	☆☆☆	22
Smith, D.	43	☆☆☆	2
Bleeslock, J.	42	☆☆☆	14
Comau, E.	39	☆☆☆	10
Carpendler, S.	38	☆☆☆	12
Solotar, J.	38	☆☆☆	13
Kula, K.	37	☆☆☆	15
Lebowitz, D.	37	☆☆☆	2
Longley, A.	37	☆☆☆	18
Cohen, D.	35	☆☆☆	27
Jones, G.	28	☆☆☆	1
Ballar, J.	27	☆☆☆	32
Orenbuch, M.	23	☆☆☆	9
Brutani, J.	21	☆☆☆	1
Mayer, J.	19	☆☆☆	12
Laurel, G.	17	☆☆☆	21
Winstanley, E.	10	☆☆☆	1
Palser	10	☆☆☆	2
Campanos, P.	0	☆☆☆	14
Petrak, B.	0	☆☆☆	3
Moskaly	0	☆☆☆	19
Brashaw, D.	0	☆☆☆	20

FIG. 45B

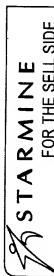




 <b>STARMINE</b> FOR THE SELL SIDE		Analyst: <input type="text"/> Select One: <input checked="" type="checkbox"/> LookUp Analysts by Stock Current Data Performance Mine-Deals Firmwide / <b>3826</b> / <b>3828</b> Performance Mine-Deals		Home   Options   Help   Log Out	
<b>3814</b> AAPL - Apple Computer Incorporated Analysts Covering this Stock in the Last 3 Years EPS accuracy rankings for AAPL: 1Q 4Q 1Y 2Y 3Y 1999 2000		<b>3810</b> Donaldson, Lufkin & Jenrette Securitie BETA Feedback to StarMine			
<b>4910</b> Midcapcity Roberts, B.		<b>4914</b> Coverage From Mar 1997 April 1996		<b>4916</b> Coverage To Present January 1997	
Home   Options   Help		DISCLAIMER			

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FIG. 47



Options

5012

Default startup page:

☒ Firmwide Mine-ers

☐ Analyst Current View for

PLEASE CHOOSE--

5014

Data View Options:

☐ Exclude Inactive Analysts

Submit

5016

Version 1.00.022

DISCLAIMER

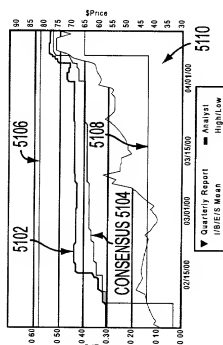
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FIG. 48



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FIG. 49

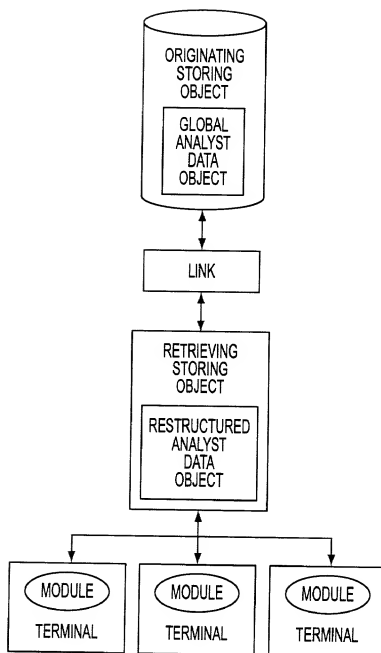


FIG. 50

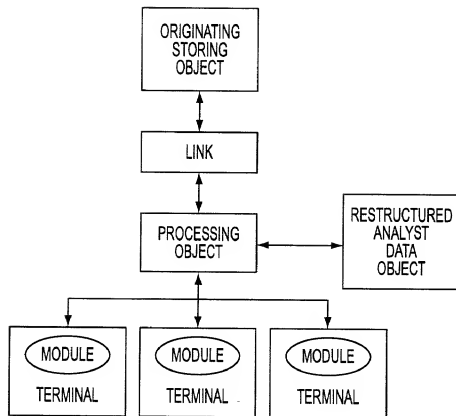


FIG. 51

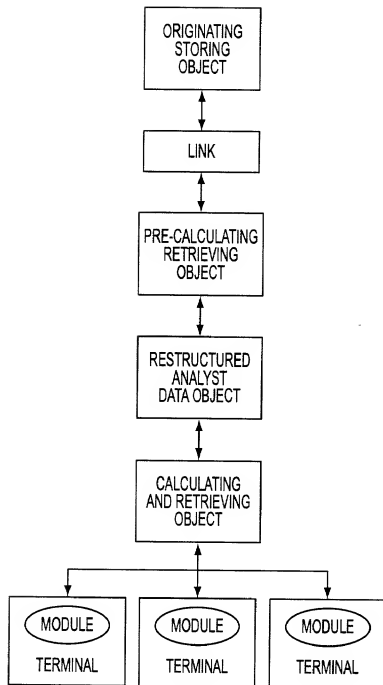


FIG. 52

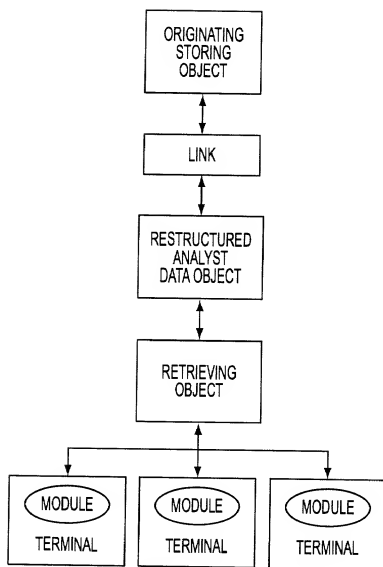


FIG. 53

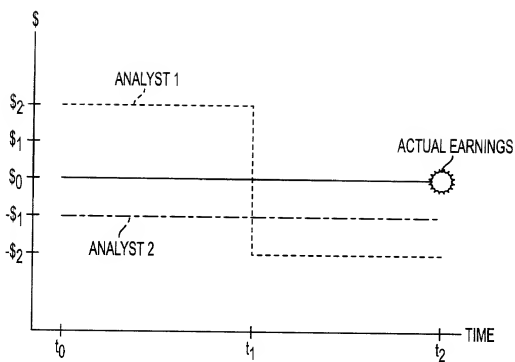


FIG. 54



The graph illustrates the difference between estimated and actual earnings. The vertical axis represents monetary value in dollars (\$), ranging from -\$2 to \$2. The horizontal axis represents time, with key points  $t_0$ ,  $t_1$ , and  $t_2$ . The area between  $t_0$  and  $t_1$  is a positive rectangle labeled 'ANALYST 1' and 'OVERESTIMATE'. The area between  $t_1$  and  $t_2$  is a negative rectangle labeled 'UNDERESTIMATE'. At time  $t_2$ , a star marks the 'ACTUAL EARNINGS'.

FIG. 55

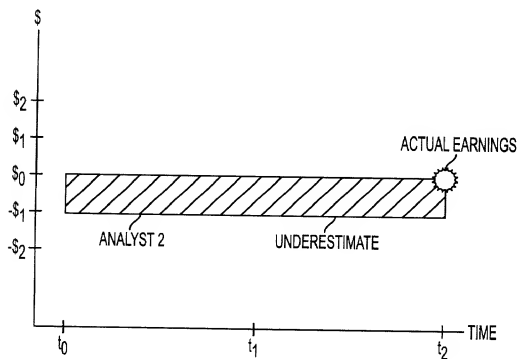


FIG. 56

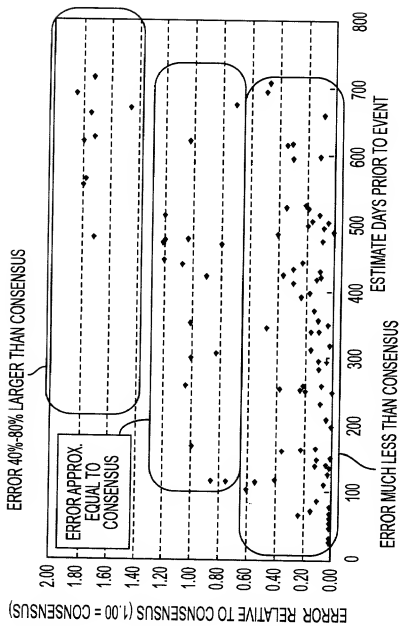


FIG. 57